7/6/2018

Supplier	\$357.16 Acier Ouellette Inc.	Acier Ouellette Inc.	Acier Ouellette Inc.	Acier Ouellette Inc.	\$182.66 Acier Ouellette Inc.	
Total	\$357.16	\$110.76 Acier Ouell Inc.	\$73.37	\$31.39 Acier Ouell Inc.	\$182.66	\$574.79
Past Due						69
Aging P	-	-	-	-	-	
Receive Price/Unit Aging	\$ 22.32 / ft	\$ 18.46 / ft	\$ 6.11 / ft	\$ 1.57 / ft	\$ 7.61 / ft	
	7/5/2018	7/5/2018	7/5/2018	7/5/2018	7/5/2018	
Status	Stock	Stock	Stock	Stock	Stock	
Container No	S089592	\$089593	S089594	S089595	S089596	
Accounting Container Job No No						
Received A	16	φ	12	20	24	78
Due Date	16 7/11/2018					
Order	91	9	12	20		74
Project Equipment Order ID Qty			T.			Total:
Project						
For Part No	2 (2 -					
Description	Hot Rolled Steel Plate 0.750** (44W): MATERIAL: HOT ROLLED STEEL SHEET ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	M6061T6B0.500X10.000 6061-T6 Bar .500 x 10.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS-QQ- A-226/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS-QQ- A-200/8 OR AMS-160 OR ASTM B211 OR ASTM B221 receive ft	M6061T6B0.625X02.000 6061T6 Bar 0.625 X 2.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-2258 OR AMS-QQ- A-2268 OR AMS-QQ- A-2269 OR AMS-QQ- A-2008 OR AM	M6061T6B0.500X00.750	6061T6 Bar 0.375 X 5.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER AQQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS-QQ-A-200/8 OR AM	
Purchased Item	MT-HRS-P-0.750	M6061T6B0.500X10.000	M6061T6B0.625X02.000	M6061T6B0.500X00.750	M6061T6B0.375X5.000	
Terms	Net 30				<	
No No	-	O.				
S ten	14	14	Be"	1)4	*	
Supplier Item No	P0040268 ACI001-VC					
PO No	0040268					

1/2

ACIER OUELLETTE INC.935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

Billed to	Shipped to	Customer N°	CLI0001056
DART AEROSPACE LTD	DART AEROSPACE LTD	Date	2018/06/21
1270, ABERDEEN ST.	Contraction Contra	Delivery date Your order N°	2018/07/04 040268
HAVINESDON!, CITATIO, NOT IN	, Olkaro,	Processed by	Eric Kaehlert
	Att : CHANTAL LAVOIE Tél .: 613-632-5200	Salesman	
Instruction F-M	Delivery Route 5	Carrier	OUELLETTE VALLEYFIELD
		Credit Terme	Net 30 Days

Produ tw 3/4 RAN	Weight				4	Tilleringi Ose Onily	ואם כו	All A
1 PLATE 44W 3/4 RANDOM		133	CMD EXP	B/0	NI	IS	U	TUO
P44-34-V 4108 1 X 4' X 4' ** CFRITFICATF **	489.60	16.00 PIZ_\$CLB						
LINE: 1 Head: 725249								
90	35.28	6.00 PI_\$CLB						
FAL-1210 2464 1 X 6' ** CERTIFICATE **			146		,, 4,01	>		ー×ナ、ナ、
LINE: 2 Heat (200191132) M		()					
3 FLAT ALU 5/8 X 2 6061-T6 RANDOM NS	17.64	12.00 PI_\$CLB						
FAL-582-V 1 X 12' ** CERTIFICATE **		\	_					
LINE: 3			CX					
AC17570-YR-2018-06-22 Heat :(23164492)								
1/2×3/4	8.82	20.90 PI_\$CLB						
TAL-1234 1 X 20' ** CERTIFICATE **	÷)						
LINE: 4 Heat : 002M1701210			25					

DELIVERY - CLIENT

C00009643C

	i		_	PCS NB	8	I	ntern	Internal Use Only	Only
Product Description	άλ	Weight	CMD	D EXP	B/0	IN	I	S	TUO
5 FLAT ALU 3/8 X 5 6061-T6 * FAL-385 2625 1 X 264 ** CERTIFICATE **	44.00	SUPPORT PLACE	SCLB	2	~ .				
LINE: 6 DOLOF) M				<u>}</u>					
6 PLATE 4140 HEAT TREAT 1/2 NS P4140-12H 8509	16.54	0.81	PI2		8				
1 PC 1-5/8" X 72" ** CERTIFICATE ** LINE: 7					9				
AC-17571-FU-2018-07-03									
Conditions: All Solutions: All Solutions: All Solutions: All Solutions: All Solutions: All Solutions are an expected materials remain the property of "Acier Ouellette Inc." until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." is the circle." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to	Total Weight (Lbs): yment is made in full, complete and cashe his warranthy is transferred by "Acier Ouelit ministration charges of 2% per month (24 iller, at his choice to daim for the balance amaged, cut or modified cannot be return	155): 611.88 r cashed. All lost materials are at the by Couellette Inc." to the client. The buye th (24% per annum) on all past due a alance due or the repossession of the greturned. All goods returned must be v	NIR: uyer's expense. The referby accepts to mounts over 30 day goods sold. All claim with our authorizat	NIR: R-109516-6 rse. The warranty offered incepts to respect the rr 30 days. Any default in All claims must be made chorization and are subject	od by				
Prepared By: Delivered By:	Time		1	20 × 0 × 0	a WA				
		Construction Classical		Date					



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO040268

Tel (613) 632-5200

Supplier: ACI001-VC

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield QC

J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696

PO No:

PO040268

PO Date:

6/20/18 6/28/18

Due Date:

Purchase Order Revision:

Revision Date:

Ship-To Contact:

Lavoie, ChantalPhone:

clavoie@dartaero.com REVISED

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground

Pymt Terms:

Net 30

Freight Terms:

Special Comments: QUOTE SOU0113744

				Items							
Line Item	Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (CAD)	Extended Price
År		MT-HRS-P-0.750	1	Hot Rolled Steel Plate 0.750" (44W) : MATERIAL: HOT ROLLED STEEL SHEET ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018	Firmed	6/28/18	16 ft	09 4684 1654	16 ft	\$22.3225/H	
ine Item Note	1 PC	S OF 4 FT X 4 FT = 16SF					6101221211 0014				4
V _M		M6061T6B0.500X10.000		6061-T6 Bar .500 x 10.00 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	6 ft	Gfr	6 ft	\$18.46/ft	\$110.76
3 At		M6061T6B0.625X02.000		6061T6 Bar 0.625 X 2.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	12 ft	laft	1 1	\$6.1141666/R	1

Line Item	Job	Part	Supplier Part No	Description	Status	Due Date		Received Quantity		Unit Price (CAD)	Extende Price
A A		M6061T6B0.500X00.750		6061T6 Bar 0.500 X 0.750 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Į.	6/28/18	20 ft	0 ft 20st	20 ft	\$1.5695/M	
5		M6061T6B2.250X4.000		6061T6 Bar 2.250 X 4.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS- 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	12 ft	O ft	12 ft	\$46.50/R	\$558.00
AT		M6061T6B0.375X5.000		6061T6 Bar 0.375 X 5.000 MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 DR ASTM B211 OR ASTM B221 receive ft	Firmed	6/28/18	20 ft	0 H		\$7.611/A	
7	1	MT-4140-S-0.500X1.625	1	1140 Steel Plate 0.500 X 1.625 eceive ft	Firmed	7/6/18	6 ft	0 ft	6 ft	\$24.80667/ft	\$148.84

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 6/21/18 7:23 AM dart.lavoie.chantal

Certificate of Mill Test Results

5Jull 7 Pg 1/1

BL VIM-514606-002 5Ju

LES ACIERS OUELLETTE INC.

BARRE RECT. ALUM ECONOPLT 6061-T6511 .500" X 10.00" X 144.0000" PART NO. PO/Rel AC00007335 .

Nous certifions que le document reproduit ici est une copie conforme du rapport foumi par le foumisseur du materiel ou les donnees resultent de l'analyse faite par un laboratoire qualifie.

Bu



Bestin

CERTIFIED TEST REPORT

http://Online.KalserAluminum.com

KAISER ALUMINUM FABRICATED PRODUCTS, LLC 5205 KAISER DRIVE KALAMAZOO, MI 49048

.500 X 10.000 PRECISION WIDE BAR KAISER LOT NUMBER: ALLOY: TEMPER: Z00191132 (6061) T651D
Z00191132 (6061) (T651)
The same same same same same same same sam
DIAM/DAF/THKNS: WIDTH: LENGTH: 12,000 I
SOLD TO:

Actual Physical Properties



REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KBI)	ELONG	HARI	DNESS	CONDUCT.	BEND
200191132	0001	0001	49.3	44.1	12.9	RE	95	N/A	K/A
Z00191132	0001	0002	50.5	45.3	13.7	RE	95	N/A	N/A
200191132	0001	0003	50.1	45.2	13.3	RE	95	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Min	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot	
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15	
Minimum								0.00	NA	NA	NA	0.00	0.00	
107292	.73	.27	.27	.13	.83	.09	.15	.02	.00	.00	.00	.01	.03	

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY
OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Raiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Raiser's sales acknowledgement form. Any warranty is limited to that shown on Raiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

aime & Macronourie

Plant Serial: 00286393

Kaiser Order Number: 6030975

Line Item: 001

Page 1 of 1

RELEASED 2009 - 05- 03

REV. B SHEET 1 OF 1 09.07.13 01.06.08 DART AEROSPACE LTD

HAWNESBURY, ONTARIO, CANADA

S DRAWING NO.

TITLE COPYRIGHT - 2001 BY DART AEROSPACE LTD d S B REMOVE QQ.A. 250/11 OPTION, REFORMAT NOTES, AUD ASTM BZ11/BZ21 (ZN D7-1) - 6061-T6 BAR DATE 09.07.13 A NEW ISSUE CHECKED MFG, APPR. APPROVED DESIGN DRAWN REV.

PURCHASE MATERIAL (6061) T6/T651/T6510/T6511) 62 ALUMINUM BAR

SPECIFICATION CONTROL DRAWING

C

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T68 T.TTT X WW.WWW WIDTH THICK E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

U

WHERE "T,TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES

U

(B)

MATERIAL: M6061	76B	0.50	0 × 10.000			PO / BATCH	H NO.: <u>(00</u>	40268/50895
MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:					THICK SHEET	NESS RECE	ERED: O. ERED: O. ERED: —	500"
DESCRIPTION	(Ch	CR neck (N)				COMMEN	ITS	
SURFACE DAMAGE	Υ	D						
CORRECT FINISH	V	N						
CORROSION	Y	(1)						
CORRECT GRAIN DIRECTION	Ø	N						
CORRECT MATERIAL PER M-DRAWING	M	N	ASIN	1-B221				
CORRECT THICKNESS	A	N						
PHOTO REQUIRED	Y	N						
CORRECT REF # TO LINK CERT	X	N	HT:	200/9/11	32			
CORRECT MATERIAL IDENTFICATION		N						
CORRECT M# ON THE MATERIAL	(A)	N						
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)						
DOES THIS REQUIRE AN	-	X		· · · · · · · · · · · · · · · · · · ·			, ,	
EXTRUSION REPORT	Υ	N						
CUT SAMPLE PIECE	-					A HARDNE	ESS CHECK	<.
			HRC	ULTS BE	LOVV	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL			HING	UKB	-	DUKA	DUKD	WEBSIER
SIZE OF TEST SAMPLE					-			
HARDNESS / DUROMETER READII	VIG.				-			
IARDINESS / DONOINE LEIX READII			Innatad to	the Quality	Office			

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	AT DAS	SIGNED OFF BY:
DATE:	18/07/06	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

3 HYDRO

Hydro Extrusion USA, LLC 53 POTTSVILLE STRBET

CRESSONA, PA 17929-0187

Certified Test Re-

					l
Cortified 7	Portified Test Report		Cert Number	Page	
			HYDRO2869850	Page 1 of 2	
Sales Order Number		Customer P/O	Cert Creation Date	Cert Print Date	
1101383006	Line No.	4500883025-00001	08-MAY-18	08-MAY-18	

Quantity Shipped		Date Shipped	Item Description Extraded Rectangular Bar	Specification	
3174	LB	08-MAY-18	0.625 TK x 2.000 W	AMS-QQ-A-200/8 REV A ASMESB221 REV 09	
B/L		Item No.	FIN M-MILL W/F L 47 F 04 CS 2.1	UNS#A96061 REV	
925555		G03361955	Marking CONTINUOUS;		
Delivery Id		Item No. Rev			
4999104		1			
CustomerPart No.					
160001347					
Applicable Specifications, Revisions and Exceptions	ons, Revision	ns and Exceptions			
COMPOSITION NC	TE: The va	alues for 'Others Each' and '	COMPOSITION NOTE; The values for 'Others Each' and 'Others Total' have met the limits as shown on	shown on	
this certified inspecti	ion report.	this certified inspection report. Remainder is Aluminum.			- 1

Signature And Title

Darrell Wenrich Quality Manager

08-MAY-18

Hydro Extrusion USA, LLC hereby certifies that the metal shipped under this report has been tested in accordance with the identified ASTM and/or ASME specifications and the results of the chemical analysis and mechanical properties tests are within the acceptable ranges of these specifications. Any product warranty is governed by the Extrusion North America Standard Terms and Conditions of Sale posted at www.hydroextrusions.com/termsconditions.

Quantities per Lot / Packages

Package Number	Lot Number	Quantity	MOD	Grass	Z
G12-CAP1135653	23164492	30	PCS	539	529
G12-CAP1135655	23164492	30	PCS	539	529
G12-CAP1135668	23164492	30	PCS	539	529
G12-CAP1135669	23164492	30	PCS	539	529
G12-CAPI 135672	23164492 OAS	30	PCS	539	529
G12-CAP1135673	(23164492) 8	30	PCS	539	529

RELEASED 2009 - 0.3 June 1

do

REV. B SHEET 1 OF 1 09.07.13 01.06.08 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
MG061T6B
SHEE COPPRIGHT - 2001 BY DART AEROSPACE LTD

FOLCOLOGIC RANGE TO THE STORT ASSESSMENT OF THE STORT THE THE STORT THE STOR 90 B REMOVE QQ.4.38011 OPTION, REFORMAT NOTES, ADD ASTM BE118221 (2N D7-1) 6061-T6 BAR 09.07.13 MFG. APPR. APPROVED CHECKED DE APPR. DATE OC DESIGN DRAWN REV.

K

SPECIFICATION CONTROL DRAWING

0

PURCHASE MATERIAL (606) T6/1651/16510/1651) T62 ALUMINUM BAR

SPECIFICATION:

0

(B)

PART NUMBER:

QQ-A-226/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR (STM B227)

WHERE "T.TT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES M6061T6B T.TTT X WW.WWW WIDTH THICK

U

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

MATERIAL: M6061 DATE: 18/07/	76,	50.6	72 × 07 - 70.0	PO / BATCH	NO .: 10046	1268 15089
MATERIAL CERT REC'D: Veg QUANTITY RECEIVED: 12' QUANTITY INSPECTED: 12' QUANTITY REJECTED: Veg			THI	CKNESS ORDE CKNESS RECEI EET SIZE ORDE EET SIZE RECEI	VED: 0-(1)	5"
DESCRIPTION		CR Carl				
DESCRIPTION	,	eck N)		COMMEN	15	
SURFACE DAMAGE	Υ	Ŵ				
CORRECT FINISH	8	N				
CORROSION	Y	W				
CORRECT GRAIN DIRECTION	Y.	Ν				
CORRECT MATERIAL PER M-DRAWING	V	N	ASTMB211			
CORRECT THICKNESS	D	N				
PHOTO REQUIRED	X	(A)				
CORRECT REF # TO LINK CERT	X	N	MT: 23164492			
ORRECT MATERIAL IDENTFICATION	X	N				
CORRECT M# ON THE MATERIAL	(Y)	N				
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)				
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	(2)				
CUT SAMPLE PIECE			ERIAL AND PREFOR		SS CHECK.	
			ORD RESULTS BELO		DUDE	T WEDGET
VDE OF MATERIAL			HRC HRB	DUR A	DUR D	WEBSTER
YPE OF MATERIAL IZE OF TEST SAMPLE						
ARDNESS / DUROMETER READIN	VIC.					-
ANDINESS / DUNOINE LEK READII			located in the Quality Off			

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY:	Al une	SIGNED OFF BY:
DATE:	18/57/56	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

1840



Service Center Metals

SB50 Quality Way Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



	OUR ORDER NUMBER	TEM
	284260	8
Г	CEBTIEICATION	
_	SOURCE STORY	
	ASTM-B221-14 No Stencil	incil
T	NOT A CITICOTO	
	STEUTICALICA	
T	AMS-QQA-200/8 Rev-A	_

OLT ILO			MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICAT
			321955	RB0091	2/7/2017	ASTM-
SHIP TO			CUSTOMER PO	ALLOYLTEMPER	SALESPERSON	COCCICION
Metaux Specialises Si	es Samuel		C73927	6061-T6511	D.Schroeder (Canada)	AMS-O
			CUSTOMER PART NUMBER	DESCRIPTION		
Quantity Certified	1, USB 1850, T	120 pcs	V836312 /	SCRB .500x.750	`	

revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-16511 also meet the requirements of 6061-16.

This product is RoHS-2, REACH, and DFARS compliant. We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification

Mechanical Properties Tests Lot No.	180343	Test Date	Ultimate Tensile Strength (KSI)	ensile KSI)	Yield Strength (KSI)	ength 1)	Percent Elongation	ation
2 201701604 ,		2/1/17	min 42.40	max 43.00	min 36.50	max 37.20	min 18.70	max 19.60

	Melt Source:	United States of America
240	ach Total	0.15
Š	Each	0.05
	A	98.00
	FI	0.02
	Zu	0.01 0.02
	히	0.07
	Md	0.84
٦	Mn	0.19 0.07 0.84
y 6061	3	0.19
ım Allo	F	0.21
luminu	छि।	0.60
n for A	Alloy	6061
hemical Composition for Aluminum Alloy	Lot No.	01210 201701604 6061
Chemical (Cast#	002M170121E

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 9/8/16

Print Date: 2/7/2017

PELEASED 2009 - 05 - 03

REV. B SHEET 1 OF 1 CP | 09 07 13 01 06 08 6061-T6 BAR STARTARNSSACE LTD OUP WIGHT OF PARTY ARRUSSACE LTD DART AEROSPACE LTD
HAWKESBURY, ONTARIO CANADA

SALET

NG061T6B
SALET B REMOVE COCA-25G/H OPTION REFORMAT NOTES, ADO ASTA BZ HB221 (ZN D7-1) DRAWN
CHECKED
MFG APPR
APPROVED
DE APPR
DOTE
09.07.13 DESIGN

PURCHASE MATERIAL, 6061, 16/1651/16510/165111/162 ALUMINUM BAR SPECIFICATION:

PART NUMBER:

00.4.225/9.08 AMS-00-8-225/8.10R AMS 417/4128/4115/4116) ON 00-4-200/8.0R/AMS-00-4-200/200R AMS 4160) OR ASYM BELL OR RISTM BZ21 M8061T68 T.TTT X WW.WWW

WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

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SPECIFICATION CONTROL DRAWING

MATERIAL: M 606176BD SOCKON, 150	PO/BATCH NO .: 10040268 / 5089595
DATE: 18/07/06	
QUANTITY RECEIVED: 20' QUANTITY INSPECTED: 20'	THICKNESS ORDERED: 0.500" THICKNESS RECEIVED: 0.500" SHEET SIZE ORDERED: SHEET SIZE RECEIVED:

DESCRIPTION		CR eck (N)	COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	8	N	
CORROSION	X	N	
CORRECT GRAIN DIRECTION	W	N	<u> </u>
CORRECT MATERIAL PER M-DRAWING	N	N	477: AMS-QQA-200/8
CORRECT THICKNESS	(8)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	Y	N	MT: 002 M 170 1210
CORRECT MATERIAL IDENTFICATION	M	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	3(

CUT SAMPLE PIECE OF	MATERIAL A	ND PREFOR	M A HARDNE	SS CHECK.	
F	RECORD RES	SULTS BELOV	N		
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: AT 9	SIGNED OFF BY:
DATE: (8/27/06	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

F GLOAT

00-CSC-741

ACIER OUELLETTE DIV-VALLEYFIELD

rO, Rei AC00007514

We certify that this is a nue copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PBC-054007-001 PO 7511 48313 Signed by:

BARRERECT, ALUMINIUM 6061-T6511 375" x 5.00" X 240.0000" PART NO. Can De.

Service Center Metals

Prince George, VA 23875 5850 Quality Way

FOR EXTRUDED PRODUCTS

CLIR CALDER ALIMBIN

CERTIFIED INSPECTION REPORT AND TEST RESULTS

7 RoHS 2011/85/EU Compliant ASTM-B221-14 StencilCont AMS-QQA-20018 Rev-A 920666 CERTIFICATION

5/17/2017

8/17 70

DATE OF STATEOU

Action Services			CLSTOMER PC-282695	AUG/777867 6061-T6511	(6061-T6511) D.Schroeder (Canada)
Quantity Certified 2,072 lbs	1	47 pcs	47 pcs RB0089 X 240	SCRB 375x5,000	

4

Mechanical Properties Tests Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSn	dia	Percent
1 201707617	51917	min max 44.90 44.90	min 40.70	max 40.70	min max 17.90 17.90

Athena Property Charles		n for A	Jumin	ım Allo	Chemical Composition for Aluminum Alloy 6061	7						5	<u>8</u>	
Castr	Lot No.	Alloy	ळा	8	3	Cu	Ma	ଧ	Z0 11	日	₹	Each	Each Total	Melt Source:
	; 1;													
002J170424A	002J170424A 201707617 6061 0.63	6061	0.63	0.23	0.18	90.0	0.84	0.23. 0.18 0.06 0.84 0.07 0.03 0.02 97.96	0.03	0.02	97.95	0.05	0.05 0.15	United States of America

SCM products are melted and extruded in the USA

RELEASE 2009 -05- 0.3

B REMOVE DG-A-250/11 OPTION. REFORMAT NOTES, ADO ASTM B211/B221 (ZN D7-1)

6061-T6 BAR
COOPRIGHT AND BY DARY ARROSPACE LED REV. B CP 09 07 13 SHEET 1 OF 1 SCALE 01 06 08 DART AEROSPACE LTD HAWKESBURY, ONTARIO GANADA S DRAWING NO. A NEW ISSUE CHECKED
MFG. APPR.
APPROVED
DE APPR.
DATE DESIGN DRAWN

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09.07.13

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 606 -T6/1851/76510/16511/762 ALUMINUM BAR

SPECIFICATION:

(8)

OC-A-225/8 OR AMS-QO-A-225/R (OR AMS 4117/4128/4115/4116) OR CO-A-200/8 OR &MS-QO-A-200/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B T.TTT X WWWWW

WHERE "T.TTT" = THICKNESS IN INCHES "WW.WWW" = WIDTH IN INCHES WIDTH THICK

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

MATERIAL: M600		6BC	D.375 × 5.000 PO/BATCH NO.: PO 040268/5089596
MATERIAL CERT REC'D: Ves QUANTITY RECEIVED: 24' QUANTITY INSPECTED: 24' QUANTITY REJECTED:			THICKNESS ORDERED: 0-375" THICKNESS RECEIVED: 0-375" SHEET SIZE ORDERED: SHEET SIZE RECEIVED:
DESCRIPTION	(Ch	CR eck (N)	COMMENTS
SURFACE DAMAGE	Y	Ŵ	
CORRECT FINISH	(1)	N	
CORROSION	Υ	(D)	
CORRECT GRAIN DIRECTION	8	N	
ORRECT MATERIAL PER M-DRAWING	0	N	AMS-QQA-20018
CORRECT THICKNESS	8	N	
PHOTO REQUIRED	X	(N)	
CORRECT REF # TO LINK CERT	W	N	M7:002 J170424A
DRRECT MATERIAL IDENTFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)	
DOES THIS REQUIRE AN			

CUT SAMPLE PIECE OF	MATERIAL A			SS CHECK.	
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: A 9	SIGNED OFF BY:
DATE: (8/07/06	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

EXTRUSION REPORT

OUTSTANDING CAPITAL : 3.508.000.000 TL

CUSTORER NO : 19.050 % 243¢ % 6096 (0,750 % 9¢ % 240. INCH): 19.050 % 243¢ % 6096 (0,750 % 9¢ % 240. INCH): 19.050 % 243¢ % 6096 (0,750 % 9¢ % 240. INCH): STANDARO & GKADE CSA GAG. 21-13 / ASTA ASS2-15 300H/35GF / GRED TYPE 2 (ERDEMIR 3246) PRODUCT TYPE & DEFINITION .LKK CHOT RECLED HEAVY PLATE WITH MILL EDGE

TEST CERTIFICATE EN 10204 : 2004 TYPE 3.1

DATE :16/08/2017 CFHT/FILKITE NO :7/275251

heat: 725249

NO MERCURY COMPOUNDS NO WELD REPAIR 2592

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WETHE MANUFACTURES) HERSEY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC DXYCEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CSA 640.21-13 / ASTM AST2-15 300W/350W / GRSO TYPE 2(ERDEMIR 3246) WITH SATISFACTORY RESULTS





NOTE: T:Top, M.Nigole, E:End, F:Fransverse, L'Longitudinal, P.S. Prece of Slize, P.Priece of Plate
NERSIS Number(Istanbul Head Office) 0352-0006-4260-0020; Trade Registry Number(Istanbul Head Office: Istanbul Head Office: Istanbul, Earoards Ach Ardig Sok No: 6 34746 Alaşehir (STANBUL - TURKEY)



www ordenir.com.ii

TEST CERTIFICATE EN 10204 : 2004 TYPE 3.1

CERTIFICATE NO : 71275251

CODER NO. : 73802713707

DIMENSIGNS, mm. : 19.050 X 2438 X 8086 [0.750 X 86 X 240 INCH]

STANDARD & GRADE : CSA G40.21-13 / ASTA A572-15 300W1350W / GR50 TYPE 2[EROSAIR 3246]

PRODUCT TYPE & DEFINITION : LKK : HOT ROLLED HEAVY PLATE WITH MILL EDGE

NO MERCURY COMPOUNDS NO WELD REPAIR 2582

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WE THE MANUFACTURER) WEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF GS G40 21-13 / ASTM AS72-15 300M/J50NY / GRSO TYPE ZIERDEMIR 3246) WITH SATISFACTORY RESULTS





NOTE: T.Top, Withdors E.End, T.Transvarse, L.Longiludiasl. P.S.Piece of Slice, P.E Diece of Plate
MERSIS Number(Islanbul Head Office), 3352-0006-4266-0028: Trade Registry Number(Islanbul Department), 98669; Trade Registry Number(Erugil Department), 15747272
Head Office: Islanbul: Barbaros Wah, Ardaç Sok. No. 6 34748 Alaşehir İŞTANBUL. TURKEY

ERDEMIR

WWW. E: demir. com 17

OUTSTANDING CAPITAL : 3.500.000.000 TL

CUSTONER ORDER NO

QUISTANDING CAPITAL : 3.500.000,000 TL

:16/08/2017

CERTIFICATE NO : 71275251 PAGE-NO

C E R T 1 F 1 C A T E EN 10264 : 2004 TYPE 3.1

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2592 NO WERCURY COMPOUNDS NO WELD REPAIR FULLY KILLED AND FINE GRAIN PRACTICE

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VECTHE WANDFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF USA CAO. 21-13 / ASTV ASTV-15 JOGH/JSON / ORSO TYPE 2 (ENDEAIR 3248) WITH SATISFACTORY RESULIS.





NOTE: Titop, Wintoble Eefid, Titransseise, E-Longitudinal, Pispies of Stice, P.P.Pises of Plate
MERS.S Nombol (Islancul Head Office): 0352-0096-4260-6020. Trade Registry Humber(Islancul Head Office): 0352-0096-4260-6020. Trade Registry Humber(Islancul Head Office. Islancul Barbaros Mah. Ardiç Sok. No. 6. 34746-Alaşehir İSTANBUL - TLRKEY

ERDEMIR

www endersir com. tr

CUTSTANDING CAPITAL : 3.500,000,000 TL

:18/08/2017

DATE 16/06/20 CERTIFICATE NO : 7/275251 PAGE NO

CERTIFICATE EN 10204 : 2004 TYPE 3.1

TEST

CUSTONER NO DIMENSIONS, mm STANDARD & GRADE

ORDER NO : 78602713707 CRDER NO : 19.050 X 2438 X 6096 F 0,760 X 96 X 240 INCH)
STANDARD & GRADE : CSA G40.21-13 / ASTA A572-15 300M/350W / GR50 TYPE 2/ERDEMIR 3246}
PRODUCT TYPE & DEFINITION : LKK : HOT ROLLED HEAVY PLATE WITH MILL EDGE

NALYSIS

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WE(THE WANUFACTURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC OXYGEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CEA GAD 21-13 / ASTA A572-15 300W1350W / CRSD TYPE 2{EDIEMIR 3245} NITH SATISFACTORY RESULTS



A COLORADO VECTOR OF THE PARTY

NOTE: T.TOD. NUMFOLDE. E.End. T. Frankverse. L.Longitudinal, P.S.Piece of Slice. D P.Piece of Plate
MERSIS Number(Istanbul Head Office): 0352-0006-4260-0020. Trade Registry Number(Istanbul): 90559; Trade Registry Number(Eregli Ozpariment) 1574/2777.
Head Office: Istanbul: Barbaros Man. Ardic Sok. No. 6 34746 Ataşehir ISTANBUL - TURKEY

ERDEMIR

CHILDREN STRUCKS OF THE STRUCKS OF T

www erdemir.com, tr

CUTSTANDING CAPITAL : 3.500.000; 000 TL

CERTIFICATE NO :71275251
PAGE NO

C E R T I F J C A T E

TEST

CUSTOMER

DIMEDSIONS, mm. 19.050 x 2438 x 6096 (0.750 x 96 x 240 INCH)
STANDARD & GRADE CSA G40.21-13 / ASTM A572-15 300N/350N / GRSD TYPE 2/ERDEMIR 3245)
PRODUCT TYPE & DEFINITION LIKK HOT ROLLED HEAVY PLATE WITH MILL EDGE

NO MERCURY COMPOUNDS NO WELD REPAIR 2592

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WEITHE MANUFACIURER) HEREBY CERTIFY THAT THE MATERIAL DESCRIBED HEREIN HAS BEEN MADE BY THE BASIC CONCEN PROCESS AND TESTED IN ACCORDANCE WITH THE RULES OF CSA 640.21-13 / ASTM AS72-15 300W/350W / GRSQ TYPE 2/ERDEMIR 3246) WITH SATISFACTORY RESULTS





NOTE: Trop. W.Widdle, E.End. I.Transverse. L.Longlitudinal, P.S.Piece of Sirce, P.P Piece of Piale
NERSIS Number (Istanbul Head Office): 0322-0006-4250-0020; Trade Registry Number (Istanbul Department): 50659; Trade Registry (Number (Eregis Department): 1574777777
Head Office: Istanbuf. Barbaros Mab. Ardiç Sok. No. 6. 34746 Ataşehir (STANBUL. TURNER

ERDEMIR

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THE RESERVE THE PROPERTY OF THE PARTY OF THE

BY APPROVED HOT ROLLED STEEL PLATE DART MT-HRS-P DATE TOLERANCES PER MANUFACTURER SPECIFICATIONS 17.675 ECN# ASTM A36 OR ASTM A1011 OR 44W OR ASTM A1018 WHERE T.TTT IS PLATE THICKNESS IN INCHES REMOVED LENGTH AND WIDTH DIMENSIONS HOT ROLLED STEEL PLATE SPECIFICATION CONTROL DRAWING MT-HRS-P-[T.TTT] MT-HRS-P-0.750 REV. PURCHASE MATERIAL: SPECIFICATION: PART NUMBER: EXAMPLE: 0

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MATERIAL: MT - A	1RS.	-P-	0.750			PO / BATO	CH NO.:	Pot	240268/5	5989
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DESCRIPTION	NC (Ch	eck				COMME	NTS			
SURFACE DAMAGE	- 190	N								
CORRECT FINISH	Y	X								
CORROSION	Y	(1)								
CORRECT GRAIN DIRECTION	(Ý)	Ν								
CORRECT MATERIAL PER M-DRAWING	(8)	N	ASTEL	A572	مدد	eptable	use	for	LB only.	PD.
CORRECT THICKNESS	M	N				•			0	
PHOTO REQUIRED	Y									
CORRECT REF # TO LINK CERT	(8)	N	HT:	72524	7					
CORRECT MATERIAL IDENTFICATION	-	N								
CORRECT M# ON THE MATERIAL	(Y)	N								
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Υ	(N)								
DOES THIS REQUIRE AN EXTRUSION REPORT	Υ	N								
CUT SAMPLE PIEC			TERIAL A			A HARDN	IESS C	HECK.		
			HRC	HRE		DUR A	Г	UR D	WEBSTE	R
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SIZE OF TEST SAMPLE					\neg		1			
HARDNESS / DUROMETER READI	NG				_		\vdash		1	
		ctors	located in	the Quality	Office					

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: At W.	SIGNED OFF BY:
DATE: (8/27/12	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in